

ALL DIMENSIONS ARE NOMINAL AND GIVEN IN INCHES.

UNIT DIMENSIONS

DISCHARGE OPENING

RETURN OPENING

CURB/RAIL COMBINATION USED IN PLACE OF SINGLE CURB ON UNITS WITH 20' AND 25' BLOWERS

20 IN HIGH EQUIPMENT CURB & RAIL

MODEL	A	B	BB	C	CC	D	DD	EE	F	G	H	I	J	K	L	N	P	R	S	T	U	V	X	
D-250-G10	181-1/8	27-3/8	36-3/4	29-3/4	36-3/4	26-1/16	33	3-3/4	3-3/4	30-5/16	7-13/16	34-13/16	21	7	102-7/16	13-1/4	11-1/2	6-3/8	11-7/8	8	14	12-1/2	18	
D-500-G10	181-1/8	27-3/8	36-3/4	29-3/4	36-3/4	26-1/16	33	3-3/4	3-3/4	30-5/16	7-13/16	34-13/16	21	7	102-7/16	13-1/4	11-1/2	6-3/8	11-7/8	8	14	12-1/2	18	
D-250-G15	195-1/8	37-3/8	40-3/4	36-3/4	43-3/8	33-1/16	38-1/8	3-3/4	5-1/4	34-3/16	7-13/16	42-13/16	31	7	115-7/16	18-3/4	16	8-5/8	14-1/16	22-3/4	8	11	7-1/2	24
D-500-G15	195-1/8	37-3/8	40-3/4	36-3/4	43-3/8	33-1/16	38-1/8	3-3/4	5-1/4	34-3/16	7-13/16	42-13/16	31	7	115-7/16	18-3/4	16	8-5/8	14-1/16	22-3/4	8	11	7-1/2	24
D-750-G15	195-1/8	37-3/8	40-3/4	36-3/4	43-3/8	33-1/16	38-1/8	3-3/4	5-1/4	34-3/16	7-13/16	42-13/16	31	7	115-7/16	18-3/4	16	8-5/8	14-1/16	22-3/4	8	11	7-1/2	24
D-500-G18	203-1/8	41-3/8	47-7/8	43-3/8	51-3/8	38-1/16	46-1/8	5-1/4	5-1/4	47-1/4	9-1/2	47-13/16	35	84	123-7/16	22	19	9	17-7/8	28	8	7	4-1/2	30
D-750-G18	203-1/8	41-3/8	47-7/8	43-3/8	51-3/8	38-1/16	46-1/8	5-1/4	5-1/4	47-1/4	9-1/2	47-13/16	35	84	123-7/16	22	19	9	17-7/8	28	8	7	4-1/2	30
D-1000-G18	203-1/8	41-3/8	47-7/8	43-3/8	51-3/8	38-1/16	46-1/8	5-1/4	5-1/4	47-1/4	9-1/2	47-13/16	35	84	123-7/16	22	19	9	17-7/8	28	8	7	4-1/2	30
D-1000-G20	243-9/16	48-1/8	58-5/8	51-3/8	58-3/8	46-1/8	53-1/8	5-1/4	5-1/4	49-5/8	13-9/16	66-5/16	42	115-3/16	163-3/16	24-7/8	24-7/8	11-1/16	19	33	10	11	8	36
D-1500-G20	243-9/16	48-1/8	58-5/8	51-3/8	58-3/8	46-1/8	53-1/8	5-1/4	5-1/4	49-5/8	13-9/16	66-5/16	42	115-3/16	163-3/16	24-7/8	24-7/8	11-1/16	19	33	10	11	8	36
D-2500-G25	283-9/16	59-3/16	74-7/8	58-3/8	74-7/8	53-1/8	61-1/8	5-1/4	5-1/4	57-1/8	16-1/2	81-1/2	48	135-3/16	179-15/16	31-3/8	31-3/8	13-3/16	21-1/4	43	10	6-1/2	11-1/4	43
D-2500-G25	283-9/16	59-3/16	74-7/8	58-3/8	74-7/8	53-1/8	61-1/8	5-1/4	5-1/4	57-1/8	16-1/2	81-1/2	48	135-3/16	179-15/16	31-3/8	31-3/8	13-3/16	21-1/4	43	10	6-1/2	11-1/4	43

MODEL	BTU RANGE (MBH)	GAS PRESSURE		GAS CONNECTION	CELDEK EVAPORATIVE COOLING UNIT		V-BANK FILTER	WATER INLET DRAIN OPENING				OPTIONAL MIXING BOX FILTERS					
		MIN.	MAX.		TOT. WEIGHT LBS	MEDIA SIZE & QTY		NOZZLES	MAX. FLOW RATE	AA	AB	AC	AD	FLTR SIZE & QTY	FLTR SIZE & QTY		
D-250-G10	6"	18	27.5	7" WC 14" WC	3/4	1050	25"x32"x12"	20	6.5	GPH	16"x20"x2" (8)	4-1/2	38-1/2	18	48-1/4	20"x25"x2" (5)	10"x16"x2" (5)
D-500-G10	12"	18	50	7" WC 14" WC	3/4	1055	25"x32"x12"	20	6.5	GPH	16"x20"x2" (8)	4-1/2	38-1/2	18	48-1/4	20"x25"x2" (5)	10"x16"x2" (5)
D-250-G15	6"	18	27.5	7" WC 14" WC	3/4	1433	30"x36"x12"	28	8.4	GPH	20"x25"x2" (8)	4-1/2	44	20	57-1/4	20"x25"x2" (2)	16"x25"x2" (1)
D-500-G15	12"	18	50	7" WC 14" WC	3/4	1440	30"x36"x12"	28	8.4	GPH	20"x25"x2" (8)	4-1/2	44	20	57-1/4	20"x25"x2" (2)	16"x25"x2" (1)
D-750-G15	18"	27.5	82.5	7" WC 14" WC	1	1745	38"x43"x12"	28	10.15	GPH	16"x20"x2" (8)	4-1/2	44	20	57-1/4	20"x25"x2" (2)	16"x25"x2" (1)
D-500-G18	12"	18	50	7" WC 14" WC	1	1495	30"x36"x12"	28	8.4	GPH	20"x25"x2" (8)	4-1/2	44	20	57-1/4	20"x25"x2" (2)	16"x25"x2" (1)
D-750-G18	18"	27.5	82.5	7" WC 14" WC	1	1745	38"x43"x12"	28	10.15	GPH	16"x20"x2" (8)	4-1/2	44	20	57-1/4	20"x25"x2" (2)	16"x25"x2" (1)
D-1000-G18	24"	36.6	1100	7" WC 14" WC	1	1800	38"x43"x12"	35	10.15	GPH	16"x20"x2" (15)	4-1/2	41-1/8	23-1/2	52-7/8	15"x20"x2" (4)	15"x15"x2" (2)
D-1000-G20	24"	36.6	1100	7" WC 5 PSI	1-1/4	2295	45"x54"x12"	42	12.6	GPH	20"x25"x2" (12)	4-1/2	41-1/8	28-7/8	52-7/8	18"x25"x2" (4)	16"x20"x2" (2)
D-1500-G20	30"	43.8	1375	7" WC 5 PSI	1-1/4	2710	45"x54"x12"	42	12.6	GPH	20"x25"x2" (12)	4-1/2	41-1/8	28-7/8	52-7/8	18"x25"x2" (4)	16"x20"x2" (2)
D-2000-G25	48"	73.3	2200	7" WC 5 PSI	1-1/2	3440	45"x72"x12"	57	20.1	GPH	20"x25"x2" (12)	4-1/2	41-1/8	37-1/2	52-7/8	14.5"x19"x2" (12)	14.5"x19"x2" (12)
D-2500-G25	60"	91.6	2750	7" WC 5 PSI	1-1/2	3455	45"x72"x12"	57	20.1	GPH	20"x25"x2" (12)	4-1/2	41-1/8	37-1/2	52-7/8	14.5"x19"x2" (12)	14.5"x19"x2" (12)

Direct Fired Profile Plate Specifications:

Direct fired burners shall have patented US Patents No. US5629523B2, self-adjusting profile plates designed to ensure proper air velocity and pressure drop across the burner. Profile plates shall allow burners to achieve clean combustion by limiting by-product levels to a maximum of 50ppm of carbon monoxide (CO), and 0.5ppm of nitrogen dioxide (NO2).

Application:

Spring-loaded burner profile plates are engineered to automatically react to the momentum of a fresh air stream, without the need for dry rotors or actuators to mechanically adjust them. With this feature, all air units are designed for demand control ventilation (DCV) requirements.

Labels/Markings:

Labels and markings shall be included in the DF units. ETL listing and comply with combined UL and ETL listings. Labels shall include ANSI Z39.4 and SMN 317 (non-retracting) DF heaters and ANSI Z39.4 (retracting) DF heaters).

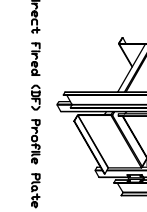
General Construction:

Profile plates shall be formed from G90 galvanized steel.

Profile plates shall vary in size per unit.

Profile plates shall be mounted along the same plane as the discharge of the burner.

Design shall incorporate properly torqued, permanently mounted spring hinges.



Direct Fired (DF) Profile Plate Assembly